three times (altogether for 200-220 hr). Aluminum hydroxide obtained by anodic dissolution of A-00 (A-00) aluminum in a pure manganese chloride solution at a current density of 10 a/m^2, was then added to the solution. Finally, the solution was filtered with a glass filter. From this solution the authors deposited manganese at 20°C, a pH of 7, and a current density of only 10 a/m^2. At 2000 a/m^2, the current output of manganese was 90%. All manganese deposits were of clear crystalline structure, even when suspended particles of manganese hydrates were added to the catholyte. The authors hold the opinion that imperfect crystalline deposits of manganese, or the absence of deposits at low current densities are due to admixtures in the electrolyte. The authors found that the crystallization of zinc and manganese in pure electrolytes does not essentially differ from the electrocrystallization of silver (A. T. Vagramyan, Ref. 8, Elektroosazhdeniye metallov - Electrodeposition of Metals -, Izd. AN SSSR, 1950). They state that the kinetics of this process and the action of admixtures in extremely pure electrolytes should be studied. There are 2 figures and 7 references: 5 Soviet-bloc and 2 non-Soviet-bloc. The

S/020/61/137/002/011/020
B103/B215

Peculiarities of electrodeposition...

reference to the English-language publication reads as follows: Ref. 2: O. M. Bocklis, B. Conway, Trans. Farad. Soc., 45, 989 (1949).

ASSOCIATION: Dnepropetrovskiy khimiko-tekhnologicheskiy institut im. F. E. Dzerzhinskogo (Dnepropetrovsk Institute of Chemical Technology imeni F. E. Dzerzhinskiy)

PRESENTED: October 15, 1960 by A. N. Frumkin, Academician

SUBMITTED: May 9, 1960

Card 5/5

S/080/62/035/001/007/013
D258/D304

AUTHOR: Gamali, I. V. and Stender, V. V.

TITLE: Hydrogen overvoltage on manganese

PERIODICAL: Zhurnal prikladnoy khimii, v. 35, no.1, 1962, 127-132

TEXT: This work was carried out because of the lack of adequate information available on the hydrogen overvoltage developing during the electrodeposition of Mn from aqueous solutions. The purity of the electrolyte, used in the present work, was acceptable on obeying the following conditions: (a) Mn was deposited on Al at room temperature at a C. D. of 10 amp/m^2; (b) the yield of Mn per current used at 1000 amp/m^2 was 90% and more; (c) Mn deposited in the form of large crystals and was not oxidized in air after drying. The evolution of hydrogen was investigated in solutions of $(NH_4)_2SO_4$ (0.25 N, 1.0N, 3.0N and 5.2 N); Na_2SO_4 (1 N); and H_2SO_4 (0.05 N and 0.1 N). The measurements were conducted in closed, H-shaped vessel, through which purified hydrogen could be passed;

Card 1/0 4

S/080/62/035/001/007/013
D258/D304

Hydrogen overvoltage on manganese

the direct method of measurement against a thermostatted calomel electrode was employed. The electrode regions were separated by means of porous glass diaphragms. A platinum tablet served as the anode. This set-up served for measuring the potentials of hydrogen evolution as a function of current density. The plots of the hydrogen evolution potential against the log of current density are shown in Figs. 1 and 3. From these and other results it can be seen that the form of the curves is not influenced by the concentration of $(NH_4)_2SO_4$, the temperature or by pH. All curves exhibit at low C. D's a sudden fall towards the Mn dissolution potential. The tangent of the straight section of the curve, in the case of Na_2SO_4 and H_2SO_4 solutions, is equal to 0.12 and thus near its theoretical value. The coefficient a in Tafel's equation is 1.31 at 25°C in the case of hydrogen evolution on Mn in 0.1 N H_2SO_4, its value changes to 1.19 in solutions of $(NH_4)_2SO_4$ and the corresponding tangent changes according to whether the solution is acidic ($\tan\alpha$ = 0.16 at pH 6.5) or basic ($\tan\alpha$ = 0.18). The latter

Card 2/4

Hydrogen overvoltage on manganese

value was determined also for Cd and Zn in the same conditions, thus showing that $\tan\alpha$ depends only on the conditions of electrolysis. The temperature coefficient of overvoltage was 1.8 mV/°C throughout. The more negative evolution potentials in Na_2SO_4 solutions (as compared with solutions of $(NH_4)_2SO_4$ are consistent with the assumption of A. N. Frumkin and coworkers (Ref. 12: "Kinetika elektrodnykh protsessov" (The Kinetics of Electrode Reactions), MGU, 1952), on the existence of a new discharge mechanism of hydrogen ions, capable of lowering the hydrogen overvoltage:

$$BH^+ + e \rightarrow B + H_{ads}; \quad B + H^+ \rightarrow BH^+$$

The same explanation is given by V. S. Bagotskiy and I. Ye. Yablokova (Ref. 13: Trudy soveshchaniya po elektrokhimii, Izd. AN SSSR, M., 57 (1953)) for the observed lowering of hydrogen overvoltage on mercury in solutions containing NH^+_4 ions. Finally, the authors consider the possibility that NH_3 formed on the cathode

S/080/62/035/001/007/013
D258/D304

Hydrogen overvoltage on manganese

might dissolve any present hydrates of Mn, thus adding to the favorable effect of NH^+_4 ions on the electrodeposition of this metal. There are 4 figures and 21 references: 15 Soviet-bloc and 6 non-Soviet-bloc. The references to the English-language publications read as follows: R. Dean, The Electrolytic Manganese and its Alloys, N. Y. (1952); E. Newbery, J. Chem. Soc., 105, 2419,(1914); 109, 1051, (1916); A. N. Campbell, J. Chem. Soc. 123, 2323,(1923).

SUBMITTED: June 28, 1961

Card 4/4

GAMALI, I.V.; STENDER, V.V.

Action of some impurities and addition agents on overvoltage for hydrogen liberation on manganese. Zhur.prikl.khim. 35 no.11:2436-2439 N '62. (MIRA 15:12)
(Hydrogen) (Overvoltage) (Manganese plating)

BAYMAKOV, Yuriy Vladimirovich; ZHURIN, Aleksandr Ivanovich; LEVIN, A.I., prof., doktor tekhn. nauk, retsenzent; SMIRNOV, V.I., prof., retsenzent; STENDER, V.V., prof., retsenzent; GORBUNOVA, K.M., prof., doktor khim. nauk, red.; PAKHOMOVA, G.N., kand. tekhn. nauk, red.; MARENKOV, Ye.A., red.; MISHARINA, K.D., red.izd-va; MIKHAYLOVA, V.V., tekhn. red.

[Electrolysis in hydrometallurgy]Elektroliz v gidrometallurgii. Moskva, Metallurgizdat, 1963. 616 p. (MIRA 16:2)

1. Kafedra tekhnologii elektrokhimicheskikh proizvodstv Ural'skogo politekhnicheskogo instituta (for Levin). 2. Kafedra metallurgii tsvetnykh metallov Ural'skogo politekhnicheskogo instituta, Deystvitel'nyy chlen Akademii nauk Kazakhskoy SSR (for Smirnov). 3. Chlen-korrespondent Akademii nauk Kazakhskoy SSR (for Stender).
(Hydrometallurgy) (Electrometallurgy)

STENDER, V. V. (Dniepropetrovsk chemicaltechnological institute F. E. Dzerzhinskiy)

"Questions of improvement of electrochemical processes in industries". Indicated that work is being conducted on intensification and automation of electrolytic production of zinc with application of drum electrolyzers and high current densities (4000--6000 and/m) and others.

Report presented at the Intervuz Conference on Electrodeposition of Nonferrous Metals, Ural Polytechnical Institute im S. M. Kirov, Sverdlovsk, held from 27-30 May 1963.

(Reported in Tsvetnyye Metally, No. 10, 1963, pp. 82-84)
JPRS 24,651 - 19 May 1964

STENDER, V. V. and KSENZHEK, O. S.

"Porous electrodes and their application in electrochemical processes"

Report presented at the Intervus Conference on Electrodeposition of Nonferrous Metals, Ural Polytechnical Institute im S. M. Kirov, Sverdlovsk, held from 27-30 May 1963.

(Reported in Tsvetnyye Metally, No. 10, 1963, pp. 82-84)
JPRS 24,651 19 May 64

STENDER, V. V., ZNAMENSKIY, G. N., and PAKHOMOVA, G. N.

"Selection of composition of electrolyte, material for the cathode and obtaining of zinc at high current densities with use of ordinary stationary and continuous-action mechanized electrolyzers (drum, disk and others)".

Report presented at the Intervuz Conference on Electrodeposition of Nonferrous Metals, Ural Polytechnical Institute im S. M. Kirov, Sverdlovsk, held from 27-30 May 1963.

(Reported in Tsvetnyye Metally, No. 10, 1963, pp. 82-84)
JPRS 24,651 19 May 64

STENDER, V. V.

"The new educational plan"

Report presented at the Intervuz Conference on Electrodeposition of Nonferrous Metals, Ural Polytechnical Institute im S. M. Kirov, Sverdlovsk, held from 27-30 May 1963.

(Reported in Tsvetnyye Metally, No. 10, 1963, pp. 82-84)
JPRS 24,651 - 19 May 64

STENDER, V.V.

Fifth All-Union Seminar of the D.I. Mendeleev All-Union Chemical Society on Applied Electrochemistry. Zhur. prikl. khim. 36 no.4:932 Ap '63. (MIRA 16:7)

(Electrochemistry--Congresses)

L 12649-63 BDS/EWP(q)/EWT(m) AFFTC/ASD JD

ACCESSION NR: AP3002698 S/0080/63/036/005/1033/1040

55

AUTHOR: Stender, V. V. and Loshkarev, Ye. M.

TITLE: Experiments involving electrodeposition of manganese from chloride solutions

16 27

SOURCE: Zhurnal prikladnoy khimii, v. 36, no. 5, 1963, 1033-1040

TOPIC TAGS: electrodeposition, manganese, current density, electrolysis

ABSTRACT: Electrolysis of manganese chloride solutions is of practical interest for processing manganese ore and waste with the aid of hydrochloric acid. In studying the influence of current density, temperature, pH and concentration of manganese in electrolyte on electrodeposition of manganese from chloride solutions the possibility was shown of conducting short-term electrolysis with high current densities (3000-4000 amp/m^2) with high current yields. Use of fresh manganese sulfide deposits permits a degree of use of current of 80-85% during high current densities and with temperatures 25-50C. Supplementary electrolytic purification increases current yields 5-7%. Coarsely crystalline manganese residue was obtained from solutions subjected to additional electrolytic purification. "The authors thank I. V. Gamali for his help in the work." Orig. art. has: 5 figures and 2

Card 1/2

SHVETSOV, N.N.; STENDER, V.V.

Current leakage in the industrial electrolysis of aqueous solutions. Zhur. prikl. khim. 36 no.8:1756-1763 Ag '63. (MIRA 16:11)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.

BONDAREV, V.V.; STENDER, V.V.

Electrodeposition of cobalt-nickel coating on titanium and its alloys. Zhur. prikl. khim. 37 no. 4:784-789 Ap '64. (MIRA 17:5)

STENDER, V.V., otv. red.; ZOSIMOVICH, D.P., zam. otv. red.; DELIMARSKIY, Yu.K., red.; LOSHKAREV, M.A., red.; NECHAYEVA, N.Ye., red.; NIKIFOROV, A.F., red.; BYCHKOVA, R.I., red.

[Hydroelectrometallurgy of chlorides; reports] Gidroelektrometallurgiia khloridov; doklady. Kiev, Naukova dumka, 1964. 178 p. (MIRA 17:11)

1. Vsesoyuznyy seminar po prikladnoy elektrokhimii. 5th, Dnepropetrovsk, 1962. 2. Dnepropetrovskiy khimiko-tekhnologicheskiy institut (for Stender).

GAMALI, I.V.; DANILOV, F.I.; STENDER, V.V.

Size correspondence in the electrodeposition of manganese.
Zhur. prikl. khim. 37 no.2:337-342 F '64.
(MIRA 17:9)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.

ACCESSION NR: AP4032499 S/0080/64/037/004/0784/0789

AUTHOR: Bondarev, V. V.; Stender, V. V.

TITLE: Electroplating a cobalt-nickel coating on titanium and its alloys

SOURCE: Zhurnal prikladnoy khimii, v. 37, no. 4, 1964, 784-789

TOPIC TAGS: titanium, titanium alloy, coated titanium, coated titanium alloy, copper nickel electroplating, coating adhesion, oxidation, surface property, coating strength, microfracture, soldering, titanium coating heat treatment, diffusion zone, Ti_2Ni, Ti_2Co

ABSTRACT: The possibility of electroplating strongly adherent cobalt-nickel coatings onto titanium and its alloys containing α, α-β, and β-phase stabilizing additives (VT-1, VT-5, OT-4, T-3, T-4, IRM-1, IRM-2) to improve their surface properties was investigated. It was found that adherence depends on the phase composition and the degree of stress of the base metal. Heat treating under vacuum significantly improves the adhesion of the coating. Maximum

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ACCESSION NR: AP4032499

strength was attained at 780-820C when a diffusion zone was formed comprising a solid solution of the coating components and titanium (Ti_2Ni and Ti_2Co) and separate non-overlapping sites in which a new phase, measuring 1800-2000 Å, was deposited. At higher temperatures the new phase overlaps continuously forming microfractures which reduce the strength of the coating. 15-25 micron Co-Ni coatings are not oxidized at 750-840C under vacuum of 5×10^{-2} - 10^{-5} mm. Hg, are readily wet by solders, but do not dissolve in them. Hence Co-Ni coated titanium and its alloys are protected during soldering with hard solders with different metals. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: None

ENCL: 00

SUBMITTED: 16Apr62

OTHER: 002

SUB CODE: MM

NO REF SOV: 008

Card 2/2

STENDER, V.V.

Expanding the electrolytic preparation of zinc. Trudy LPI no.239: 126-146 '64. (MIRA 17:10)

STRIGIN, V.V.; GAVALI, I.V.

Preparation of electrolytic manganese. Trudy LPI no.239: 147-152 '64. (MIRA 17:10)

ZNAMENSKIY, G.N.; STENDER, V.V.

Effect of the conditions of electrolysis on the size of the active surface of cathodic zinc. Zhur.prikl.khim. 37 no.7: 1478-1483 Jl '64. (MIRA 18:4)

LISOV, V.N.; PLAKHOTNIK, V.N.; STENDER, V.V.

Anodic evolution of chlorine in the electrolysis of hydrochloric acid in the presence of ammonium and manganese salts. Zhur.prikl. khim. 37 no.7:1498-1504 Jl '64. (MIRA 18:4)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.

ZNAMENSKIY, G.N.; ZHUK, A.P.; STENDER, V.V.

Effect of the conditions of electrolysis of zinc chloride acid solutions on the magnitude of the true surface of zinc precipitates. Ukr. khim. zhur. 31 no.4:367-372 '65.

(MIRA 18:5)

1. Dnepropetrovskiy khimiko-tekhnologicheskiy institut.

P/532/61/000/013/002/005
D237/D308

AUTHOR: Stendera, Jerzy, Master of Engineering

TITLE: The flow of electrically conducting fluid in the presence of an axially-symmetric magnetic field

SOURCE: Warsaw. Instytut Lotnictwa. Prace. no. 13, 1961, 19-21

TEXT: The author solves the problem of the influence of an axially-symmetric magnetic field on the steady-state flow of an electrically conducting incompressible viscous fluid in an infinite porous cylinder. Starting from Maxwell's equations and Navier-Stokes equations and assuming that all physical magnitudes are functions of r only, the author obtained expressions for the radial velocity, magnetic field intensity and temperature distribution.

SUBMITTED: October, 1960

Card 1/1

GARBARENKO, M.; STENDERS, E.[translator]; ENDZELINA, M., red.; UDRE, V., tekhn. red.

[Hygiene for the pensioner] Pensionara higiena. Riga, Latvijas Valsts izdevnieciba, 1960. 25 p. [In Latvian] (MIRA 14:12)
(OLD AGE—HYGIENIC ASPECTS)

RAFALKESS, Solomons, kand. med. nauk; SPROGE, V.[translators]; STENDERS, E., red.; AKE, I., tekhn. red.

[You can avoid mastitis if...] No krusu dziedzeru iekaisuma var izsargaties, ja.... Riga, Latvijas Valsts izdevnieciba, 1961. 26 p. (MIRA 15:3)

(BREAST—DISEASES)

STENESKU, I. [Stenescu, I.] (Bukharest)

The commercial air fleet of the Rumanian People's Republic. Grazhd. av. 12 no.11:35-37 N '55. (MIRA 15:9)

1. General'nyy direktor Glavnogo upravleniya grazhdanskogo vozdushnogo flota Rumynii.
(Rumania--Aeronautics, Commercial)

44393

R/016/62/007/005/002/003
A001/A101

10.6100

AUTHORS: Orovyanu, T., Stenesku, K.

TITLE: On aeroelastic divergence of rotating carrying surfaces having variable cross-section

PERIODICAL: Académie de la République Roumaine. Revue de Mécanique Appliquée, v. 7, no. 5, 1962, 915 - 925 (Russian translation)

TEXT: The authors investigate the problem of determining the rate of twist divergence of a variable cross-section carrying surface rotating around some axis. They consider a cantilever carrying surface of variable cross-section (see Figure 1) with a rectilinear elastic line Oy in the following system of coordinates: $x_1 = x$, $y_1 = y - a$, $z_1 = z$; it is assumed that the surface rotates around axis Oz perpendicular to Oy. The differential equation of the elastic twist angle φ looks as follows:

$$\frac{d}{d\eta}\left[(1 - \beta\eta)^4 \frac{d\varphi}{d\eta}\right] + \lambda(1 - \beta\eta)^2(\alpha + \eta)^2 \varphi = 0. \qquad (14)$$

Card 1/4

and the corresponding boundary conditions are:

$$\eta = 0, \quad \varphi = 0, \tag{15}$$

and

$$\eta = 1, \quad \frac{d\varphi}{d\eta} = 0, \tag{16}$$

where $\alpha = \frac{a}{b}$, β is defined by the relation: $\frac{e}{e_o} = 1 - \beta\frac{y_1}{b}$, $\eta = \frac{y_1}{b}$ (a, b and e are shown in the Figure), and λ is a quantity depending on the structural parameters of the surface and the value of dynamic pressure. The problem is thus a particular case of the Sturm-Liouville problem, and determination of divergence rate is reduced to finding the least eigenvalue of parameter λ. Since the solution of this second-order differential equation is difficult, the authors apply the variational method sufficient to determine the eigenvalues of Equation 14 which is re-written in the operator form:

$$A\varphi - \lambda B\varphi = 0 \tag{17}$$

It is proved that operators are symmetric and positive-definite. According to the Ritz method, the n-order approximation of solution of Equation (17) is ex-

pressed like this:

$$\gamma_n = \sum_{k=1}^{n} a_k f_k, \qquad (25)$$

where a_k are constants. To determine λ, the authors write down the equation

$$(Af_k, f_m) - \lambda(Bf_k, f_m) = 0, \qquad (27)$$

whose least root represents the eigenvalue sought for. The elements f_n, called coordinate functions, are linear independent and satisfy both boundary conditions of the problem; they look as follows:

$$f_1 = \eta^2\left(\eta - \frac{3}{2}\right), \quad f_k = \eta^{k-1}(1 - \eta)^2, \quad k = 2,3,\ldots \qquad (28)$$

It is usually sufficient to limit oneself to the second approximation, in which case λ is the least root of an equation of second degree. Using this approximation the authors carry out numerical calculations for several particular values of parameters α and β and present the results in the tabular and graphical form.

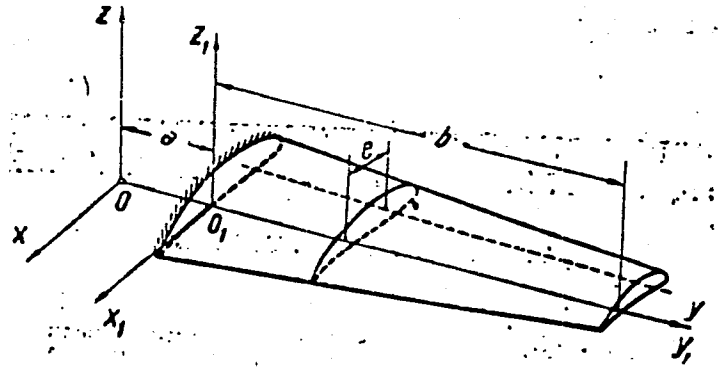
Card 3/4

On aeroelastic divergence of...

R/016/62/007/005/002/003
A001/A101

From the analysis of the results it is concluded that divergence rate in cases of large β-values is considerably higher than in the case of a constant cross-section carrying surface. There are 3 figures and 6 tables.

Figure 1.



Card 4/4

STAN, S.; STENESKU, N. [STENESCU, N.]

Application of a biological test in studying the effect of gibberellins on the corn coleoptile. Fizio. rast 9 no.5:575-581 '62. (MIRA 15:10)

1. Laboratory of Plant Physiology, Scientific-Research Agronomy Institut, Roumania Peoples Republic.
(Gibberellin) (Corn (Maize))

STEN'GACH, V.V.

What we got from specialization. Inform.biul.VDNKH no.3:4-5 Mr '64. (MIRA 17:3)

1. Predsedatel' kolkhoza "Ukraina" Dunayevetskogo rayona Khmel'nitskoy oblasti.

STENGANTSEV, V. I. and others

"The Effectiveness of Neuroplegics and Hypothermia in the Prophylaxis and Treatment of Traumatic Shock in Irradiated Animals."

Voyenno-Meditsinskiy Zhurnal, No. 12, December 1961, pp 67-73

D'YACHENKO, P.K.; KATAYEVA, G.A.; POMOSOV, D.V.; RYAZHKIN, G.A.; STEPGANTSEV, V.I.; FOY, L.K.; CHUDAKOV, V.G.; YANCHUK, N.M.

Effectiveness of neuroplegic substances and hypothermia in the prevention and treatment of traumatic shock in irradiated animals. Voen.-med. zhur. no.7:86 Jl '61. (MIRA 15:1)
(AUTONOMIC DRUGS) (HYPOTHERMIA)
(SHOCK) (RADIATION SICKNESS)

STENGEL, F.

STENGEL, F.; SCHMIDT, K.

Treatment of chronic degenerative disease of the joints with palondon, a new therapeutic. Prakt.Arzt 4 no.42:631-635 15 Nov 50. (CLML 20:4)

1. Of the Fourth Medical Department of Vienna-Lainz Old People's Home (Head--Franziska Stengel,M.D.).

STENGEL, R.F.

The periodical "Design News". Stroj vyr 11 no.11:582 N'63.

1. Evropska redakce Design News.

KOL'TGOF, I.M. [Kolthoff, I.M.]; BELCHER, R.; STENGER, V.A.; MATSUYAMA, Dzh. [Matsuyama, G.]; LUR'YE, Yu.Yu., prof., red.; VASKEVICH, D.N., red.; ZAZUL'SKAYA, V.F., tekhn. red.

[Volumetric analysis] Ob"emnyi analiz. Pod red. i s dopolneniiami IU.IU.Lur'e. Moskva, Gos. nauchno-tekhn. izd-vo khim. lit-ry. Vol.3.[Practical part; oxidation-reduction methods] Prakticheskaia chast': Metody okisleniia--vosstanovleniia. 1961. 840 p. Publ. in English under the title: "Titration methods: oxidation-reduction reaction. (MIRA 14:8)
(Chemistry, Analytical) (Oxidation-reduction reaction)

H/008/63/000/003/001/001
D286/D308

AUTHOR: Cserép, György and Stenger, Vilmos

TITLE: The results of the production of enclosed radioactive radiation sources in Hungary. Part I

PERIODICAL: Energia és Atomtechnika, 16 no. 3, 1963, 140-143

TEXT: After mentioning the relevant work done in the USA, UK, and USSR, the article describes some results obtained in the Országos Atom energia Bizottság Izotóp Intézet (National Atomic Energy Board Isotope Institute). The principle of the selection of isotopes is first considered, and in two tables the most important properties of γ and β radiation isotopes are given. Contamination of the inactive enclosure must be kept below 0.05 μC. The following γ radiation sources and their construction are briefly discussed: 1) Co^{60}. This is the most common one because its half-life and energy is suitable for many applications, and it can easily be obtained from reactors. 2) Zn^{65}. This is seldom used owing to its shorter half-life. 3) Cs^{137}-Ba^{137}. This is usually known as

Card 1/2

The results of the production ...

Cs^{137}, but the γ radiation primarily used is obtained from Ba^{137}, which is a breakdown product of Cs^{137}. This type of source is often used because of its low price, long half-life and satisfactory energy spectrum. In connection with imported radiation sources it was found that after $1\frac{1}{2}$ - 2 years the active material appeared on the surface of the source. The effect repeated itself after a similar period, when the sample was enclosed in another case. The assumed reasons are given, and two methods are described which aim at eliminating this fault. There are 4 figures and 3 tables.

ASSOCIATION: Országos atomenergia bizottság izotóp intézet (National Atomic Energy Board Isotope Institute)

CSEREP, Gyorgy; STENGER, Vilmos

Hungarian achievements in produding closed radioactive radiation sources. Pt. 2. Energia es atom 16 no.4:188-191 Ap '63.

1. Orszagos Atomenergia Bizottsag Izotop Intezete.

STENGEL, V., inz.

"Measures and the systems of units" by Marian Brezinscak. Reviewed by V.Stengel. Automacija Zagreb 2 no. 2/4:124-125 '62.

ERDOS, Elemer; HASKO, Ferenc; JENEY, Ivan; BOGDAN, Lszlone; BORSI, Miklos; EOLLOS, Zoltanne, dr.; HALMOS, Laszlone; KARL, Imre; KONTA, Laszlo; SAGI, Lajos; SIPOS, Lajos; STENGER, Vilmos; TIHANYI, Kalman;

Preparatory operations for galvanizing metal surfaces.
Gepgyartastechn 2 no.5:191-199 My '62.

EOLLOS, Zoltanne, dr.; SIPOS, Lajos; HASKO, Ferenc; JENEY, Ivan; BOGDAN, Laszlone; BORSI, Miklos; ERDOS, Elemer; HALMOS, Laszlone; KARL, Imre; KONTA, Laszlo; SAGI, Lajos; STENGER, Vilmos; TIHANYI, Kalman

Traditional and modern galvanic copper plating; traditional and modern galvanic nickel plating. Gepgyartastech 2 no.6:227-240 Je '62.

HASKO, Ferenc; JEMEY, Istvan; BOGDAN, Laszlone; BORSI, Miklos; ERDOS, Elemer;
HALMOS, Laszlone; JEMEY, Ivan; KARL, Imre; KONTA, Laszlo;
SAGI, Lajos; SIPOS, Lajos; STENGER, Vilmos; TIHANYI, Kalman

Traditional and modern galvanic zinc plating. Gepgyartastechn
2 no.7:269-274 Jl '62.

SAGI, Lajos; HASKO, Ferenc; JENEY, Ivan; BOGDAN, Laszlone; BORSI, Miklos; ERDOS, Elemer; HALMOS, Laszlone; KARL, Imre; KONTA, Laszlo; SAGI, Lajos; SIPOS, Lajos; STENGER, Vilmos; TIHANYI, Kalman.

Galvanic decorative chromium plating. Gepgyartastechn 2 no.7:275-280 Jl '62.

EOLLOS, Zoltanne, dr.; HASKO, Ferenc; JENEY, Zoltan; BOGDAN, Laszlone; BORSI, Miklos; ERDOS, Elemer; HALMOS, Laszlone; JENEY, Ivan; KARL, Imre; KONTA, Laszlo; SAGI, Lajos; SIPOS, Lajos; STENGER, Vilmos; TIHANYI, Kalman

Removal of galvanic copper, nickel and chromium coatings.
Gepgyartastechn 2 no.8:319 Ag '62.

EOLLOS, Zoltanne, dr.; HASKO, Ferenc; JENEY, Ivan; BOGDAN, Laszlone; BORSI, Miklos; ERDOS, Elemer; HALMOS, Laszlone; KARL, Imre; KONTA, Laszlo; SAGI, Lajos; SIPOS, Lajos; STENGER, Vilmos; TIHANYI, Kalman.

Summary of galvanization technologies. Gepgyartastechn 2 no. 9: 360 S '62.

STENGERT, Krzysztof; JURCZYK, Witold

Reaction of the organism to cold and its practical application in surgery. Polski tygod. lek. 10 no.42:1381-1386 17 Oct 55.

1. (Z III Kliniki Chiurgicznej A.M. w Poznaniu; kierownik: doc. dr. J. Borszewski. Posnan: III Klinika Chirurgiczna A.M. ul. Szkolna 8/12.
(BODY TEMPERATURE,
hypothermia, surg. aspects, review)
(HIBERNATION,
controlled, review)

JURCZYK, Witold; STRNGERT, Krzysztof.

Artificial hibernation in the treatment of shock. Polski tygod. lek. 11 no.4:145-148 23 Jan 56.

1. Z III Kliniki Chirurgicznej A.M. w Poznaniu; kier.: doc. dr. Jerzy Borszewski. Poznan, III Kl. Chir. A.M., ul. Szkolna 8/12.
(SHOCK, ther.
artif. hibernation)
(HIBERNATION, artif.
in shock)

STENGERT, Krzystof

Unusual case of bronchial foreign bodies. Polski tygod. lek. 11 no.50:2115-2118 10 Dec 56.

1. (Z III Kliniki Chirurgicznej A.M. w Poznaniu: kierownik: doc. dr. Jerzy Borszewski) Poznan, ul. Szkolna 12.
(BRONCHI, foreign bodies,
unusual case (Pol))

BOGACKI, Bogdan; BENTKE, Kazimierz; JUROŻYK, Witold; STENGERT, Krzysztof

Experimental studies on electrolyte metabolism and on oxygen and carbon dioxide in blood in hypothermia in dogs. Polski przegl. chir. 28 no.8:895-898 Aug 56.

1. Z III Kliniki Chirurg. A.M. w Poznaniu, kier.: doc. dr. J. Borszewski i z Zakladu Patologii Ogolnej i Doswiadczalnej A.M. w Poznaniu kier.: prof. dr. A. Horst. Poznan, III. Klinika Chirurgiczna A.M.

(HYPOTHERMIA, effects,
on electrolyte metab. & blood oxygen & carbon dioxide in dogs (Pol))
(OXYGEN, in blood,
in hypothemia in dogs (Pol))
(CARBON DIOXIDE, in blood,
in hypothermia in dogs (Pol))
(ELECTROLYTES, metabolism,
in hypothermia in dogs (Pol))

STENGERT, Krzysztof;BENTKE, Kazimierz;JURCZYK, Witold

Changes of composition and sugar in the blood in hypothermia in dogs. Polski tygod. lek. 12 no.19:701-704 6 May 57.

1. Z III Kliniki Chirurgicznej A. M. w Poznaniu; kierownik: doc. dr. med. Jerzy Borszewski i z Zakladu Patologii Ogolnej A. M. w Poznaniu; kierownik: prof. dr. med. Antoni Horst. Adres: Poznan, ul. Szkolna 8/12.

(HYPOTHERMIA, effects,
on blood (Pol))
(BLOOD SUGAR,
eff. of hypothermia in dogs (Pol))

STENGERT, KRZYSZTOF

BENTKE, Kazimierz; STENGERT, Krzysztof; JURCZYK, Witold

Kidney function test in dogs during artificial hypothermia. Polski tygod. lek. 12 no.19:704-706 6 May 57.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej A. M. w Poznaniu; kierownik: prof. dr. med. Antoni Horst i z III Kliniki Chirurgicznej A. M. w Poznaniu; kierownik: doc. dr med. Jerzy Boreszewski. Adres: Poznan, ul. Szkolna 8/12.

(HYPOTHERMIA, effects,
on kidney funct. in dogs (Pol))
(KIDNEY FUNCTION TESTS,
in hypotension in dogs (Pol))

WILGERT, Krzysztof (Poznan, ul. Szkolna 8/12)

Application of panthesin-hydergin preparation (PH 203) in the treatment of thrombophlebitis & pulmonary infarct. Polski tygod. lek. 13 no.6: 212-214 10 Feb 58.

1. (Z III Kliniki Chirurgicznej A. M. w Poznaniu; kierownik: doc. dr Jerzy Borszewski.)

(AMINOBENZOATES, ther. use
N,N-diethylleucinon-p-amino benzoic acid methanesulfonate - hydergine prep. in thrombophlebitis & pulm. infarct.(Pol))

(ERGOT ALKALOIDS, ther. use
hydergine-N, N-diethylleucinon-p-amino benzoic acid methanesulfonate prep. in thrombophlebitis & pulm. infarct. (Pol))

(THROMBOPHLEBITIS, ther.
hydergine - N,N-diethylleucinon-p-amino benzoic acid methanesulfonate prep. (Pol))

(LUNGS, infarction
ther., hydergine - N, N-diethylleucinon-p-amino benzoic acid methanesulfonate prep. (Pol))

STENGERT, Krzysztof; SZUBERT, Edward; LEWANDOWSKI, Andrzej.

Treatment of thrombophlebitis with panthesin-hydergine (PH 203)
Polskie arch.med. wewn. 28 no.5:819-822 1958.

1. Z III Kliniki Chirurgicznej A.M. w Poznaniu Kierownik: doc. dr med. J. Borszewski i z I Kliniki Ginekologiczno-Poloznicze j w Poznaniu Kierownik: doc dr med. W. Michalkiewicz. Adres autora: Poznan, III Klinika Chirurgiczna A.M.

(ERGOT ALKALOIDS, ther. use
hydergine in thrombophlebitis, with N,N-diethylleucinon-p-amino benzoic acid. methanesulfonate (Pol))
(AMINOBENZOATES, ther. use
N,N-diethylleucinon-p-amino benzoic acid methanesulfonate in thrombophlebitis, with hydergine (Pol))
(THROMBOPHLEBITIS, ther.
hydergine & N,N-diethylleucinon-p-amino benzoic acid methanesulfonate (Pol))

PRZYBYL, Leszek; STENGERT, Krzysztof

Functional changes in the kidneys after blood transfusion in patients with post-hemorrhagic anemia. Polski tygod.lek. 15 no.40: 1521-1524 3 O'60.

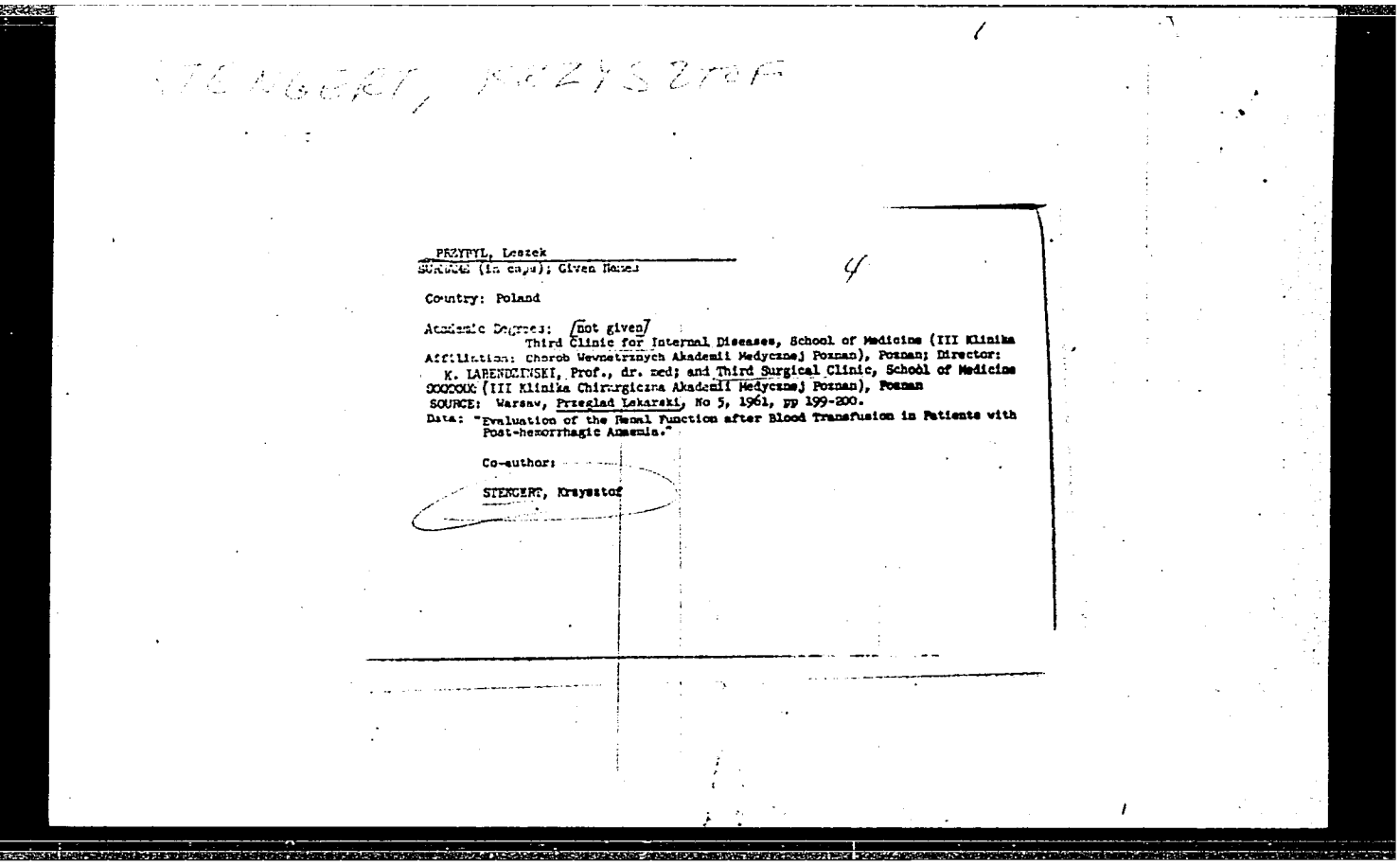
1. Z III Kliniki Chorob Wewnetrznych A.M. w Poznaniu; kierownik: prof. dr med. Fr.Labendzinski i III Kliniki Chirurgicznej A.M. w Poznaniu; kierownik: doc. dr med. Jerzy Borszewski [deceased]
(KIDNEYS physiol)
(BLOOD TRANSFUSION)
(HEMORRHAGE ther)

STENGERT, Krzysztof

Multi-stage surgical procedures in the treatment of megacolon. Polski przegl. chir. 32 no.10:1009-1013 '60.

1. Z III Kliniki Chirurgicznej A.M. w Poznaniu Kierownik: doc. dr J. Borszewski.

(MEGACOLON surg)



PRZYBYL, Leszek

Surname (in caps); Given Names

Country: Poland

Academic Degrees: [not given]

Affiliation: Chorob Wewnetrznych Akademii Medycznej Poznan), Poznan; Director: K. LABENDZINSKI, Prof., dr. med; and Third Surgical Clinic, School of Medicine XXXXXX (III Klinika Chirurgiczna Akademii Medycznej Poznan), Poznan

SOURCE: Warsaw, Przeglad Lekarski, No 5, 1961, pp 199-200.

Data: "Evaluation of the Renal Function after Blood Transfusion in Patients with Post-hemorrhagic Anaemia."

Co-author:

STERCERT, Krzysztof

[redacted], Adam; [redacted], Tadeusz; BOGACKI, Bogdan; STENGERT, Krzysztof; [redacted], Jerzy

Electric stimulation for the resuscitation in sudden heart arrest. Pol. tyg. lek. 19 no.17:627-630 20 Ap '64.

1. Z III Kliniki Chirurgicznej Akademii Medycznej (kierownik: prof. dr. A. Piskorz) z III Kliniki Chorob Wewnetrznych Akademii Medycznej (kierownik: doc. dr. K. Wysocki) i z I Klinik' Chirurgicznej Akademii Medycznej w Poznaniu (kierownik: prof. dr. St. Nowicki).

JUROZYK, Witold, KRZYWINSKI, Rajmund; STENGERT, Krzysztof.

Evaluation of the measurement of intraesophageal pressure during general anesthesia. Pol. przegl. chir. 36 no. 9:1081-1087 S '64

1. Z Zakładu Anestezjologii przy III Katedrze Chirurgii Akademii Medycznej w Poznaniu (Kierownik Zakładu: dr. W. Jurczyk; kierownik Katedry: prof. dr. A. Piskorz).

STENGERT, Krzysztof

The appearance and development of pancreatic changes in alloxan intoxication. Pozn. tow. przyjac. nauk wydz. lek. 27:195-234 '64.

PISKORZ, Adam; MIETKIEWSKI, Kazimierz; KOPACZYK, Franiszek; HRYNIEWIECKI, Jan; JURCZYK, Witold; STENGERT, Krzysztof

Studies on the secretory activity of hypothalamic nuclei in experimental shock. Pol. przegl. chir. 36 no.3:349-356 Mr '64.

1. Z III Kliniki Chirurgicznej Akademii Medycznej w Poznaniu (Kierownik: prof. dr A. Piskorz) i z Zakladu Histologii Prawidlowej i Embriologii Akademii Medycznej (Kierownik: prof. dr K. Mietkiewski).

PISKORZ, Adam; STENGERT, Krzysztof; WOLOWICKA, Laura

Usefulness of the measurement of central venous pressure in the treatment of acute circulatory insufficiency in surgical patients. Pol. tyg. lek. 20 no.38:1404-1407 20 S '65.

1. Z I Kliniki Chirurgicznej AM w Poznaniu (Kierownik: prof. dr. Adam Piskorz), z Zakladu Anestezjologii przy I Katedrze Chirurgii AM w Poznaniu (Kierownik: dr. Witold Jurczyk) i ze Szpitala Miejskiego im. J. Strusia w Poznaniu (Dyrektor: dr. St. Andrzejewski).

STASINSKI, Tadeusz; PISKORZ, Adam, prof. dr. med.; STENGERT, Krzysztof; OLEJNICZAK, Pawel

Experimental overloading of the right heart. Pol. arch. med. wewnet. 35 no.2:221-226 '65

1. Z III Kliniki Chorob Wewnetrznych Akademii Medycznej w Poznaniu (Kierownik: prof. dr. med. K. Wysocki) i z III Kliniki Chirurgicznej Akademii Medycznej w Poznaniu (Kierownik: prof. dr. med. A. Piskorz).

JURCZYK, Witold, dr. med.; STENGERT, Krzysztof; GARSTKA, Jerzy; TOKARZ, Feliks; WOLOWICKA, Laura; WRUK, Marian, dr.

Measures for the restoraion of suddenly arrested blood circulation. Pol. tyg. lek. 20 no.10:354-356 8 Mr '65

1. Z Zakladu Anestezjologii przy III Katedrze Chirurgii Akademii Medycznej w Poznaniu (Kierownik Zakladu: dr. med. Witold Jurczyk; Kierownik Katedry: prof. dr. med. Adam Piskorz); z Katedry I Kliniki Prtopedycznej Akademii Medycznej w Poznaniu (Kierownik: prof. dr. Wiktor Dega) ; z Katedry i Kliniki Neurochirurgii Akademii Medycznej w Poznaniu (Kierownik: doc. dr. med. Hieronim Powiertowski) i z Oddzialu Torakochirurgicznego Sanatorium PKP w Chodziezy (Ordynator Oddzialu: dr. Marian Wruk; Dyrektor Sanatorium: dr. Ryszard Raczynski).

STENGERT, Krzysztof; JURCZYK, Witold;dr. med.; WOLOWICKA, Laura

Anesthesia in traumatic surgery. Pol. tyg. lek. 20 no.12:436-438 22 Mr '65

1. Z Zakladu Anestezjologii przy III Katedrze Chirurgii Akademii Medycznej w Poznaniu (Kierownik Zakladu: dr. med. Witold Jurczyk; Kierownik Katedry: prof. dr. med. Adam Piskorz).

GARSTKA, Jerzy; JURCZYK, Witold; STENGERT, Krzysztof.

The use of moderate hypothermia in the treatment of severe brain anoxia caused by abrupt stoppage of blood circulation due to body injuries. Chir. narzad. ruchu ortop. Pol. 30 no.2: 147-152 '65

1. Z Katedry i Kliniki Ortopedycznej Akademii Medycznej w Poznaniu (Kierownik: prof. dr. med. W. Dega) i z Zakladu Anesteziologii przy III Katedrze Chirurgii (Kierownik katedry: prof. dr. med. A. Piskorz).

POKRIVNICHKI, St.; YURCHIK, V.; STENGERT, K.

Cardiac arrest in the operating room. Khirurgiia (Sofiia) 18 no.5:521-524 '65.

1. Institut po anesteziologiia, Lodz (direktor dotsent St. Pokrivnichki) i Institut po anesteziologiia pri III. khir. klinika na MA, Poznan (rukovoditel - V. IUrgin).

SZULC, Henryk; MAJEWSKI, Czeslaw; JURCZYK, Witold; SPENGLER, Krzysztof; KRZYWINSKI, Rajmund

Observations on the administration of viadril and viadril G to rats. Przegl. lek. 21 no.6:432-434 '65.

1. Z Kliniki Chirurgicznej i Zakladu Anestezjologii przy III Katedrze Chirurgii AM w Poznaniu (Kierownik Katedry: Prof. dr. med. A. Piskorz) i z Zakladu Anatomii Patologicznej Szpitala Miejskiego im. J. Strusia w Poznaniu (Kierownik: Dr. med. C. Majewski; Dyrektor Szpitala: Dr. med. S. Andrzejewski).

MAJEWSKI, Czeslaw; LEJA, Zbigniew; SZULC, Henryk; STEIGERT, Krzysztof; SIWINSKI, Stefan

Histochemical studies on alkaline and acid phosphatase in the liver of patients operated on for cancer of the abdominal organs. Pat. polska 14 no.4:479-485 O-D'63

1. Z Zakladu Anatomii Patologicznej Szpitala Miejskiego im. J.Strusia w Poznaniu (kierownik: dr.med. C.Majewski) i z III. Kliniki Chirurgicznej AM w Poznaniu (kierownik: prof.dr.med. A.Piskorz).

STEINEL, J.; CACHUNA, J. ; HETKO, J.

Production of ferrochromium castings.

P. 171, (Slevarenstvi) Vol. 5, no. 6, June 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

STENGL, V.

"Low-voltage shielded distribution apparatus." p. 23. (Elektrotehnicar, Vol. 7, no. 2, 1953, Zagreb.)

SO: Monthly List of East European Accessions, Library of Congress, September 1953, Uncl. Vol. 2, No. 9.

STENGL, V.

"Low-voltage shielded distribution apparatus." p. 42. "Supa, newest British picture projector." p. 44. (Elektrotehnicar, Vol. 7, no.3, 1953, Zagreb.)

East European Vol. 2, No. 9
SO: Monthly List of [redacted] Accessions, Library of Congress, September 1953, Uncl.

STENGL, V.

"Measures and Systems of Units" by M. Brezinscak. Reviewed by V. Stengl. Energija Hrv. 10 no. 9/10:346 '61.

STENGL, V.

"Introduction to the principles of electric machines" by Th. Bödefeld and H. Squenz. Reviewed by V. Stengl. Energija Hrv no.9/10:342 '62.

STENGL, V.

"Protection of motors, overcurrents, excess temperatures" by H. Franken. Reviewed by V. Stengl. Energija Hrv 11 no.9/10:342 '62.

STENGL, Vladimir, inz. (Zagreb)

Studies of distributive networks. Energija Hrv. 12 no.7/8: 212-214'63.

1. Clan Uredniekog odbora, "Energija".

STEMBERK, B.; [illegible], J.

"Authigenic Quartz in the Devonian Limestones of Central Bohemia", P. 149, (SBORNIK. CESKE GEOLOGICKY, Vol. 20, 1953, Praha, Czech.)

SO: Monthly List of East European Accessions, (EEAL, LC, Vol. 4, No. 3, Mar 1955, Uncl.

KARULIS, K.; STENGREVICA, M.

Seventh Coordinating Conference on Lexicographic Problems.
Vestis Latv ak no.2:131-138 '62.

UTKIN, V.V.; STENGREVITS, A.A. [Stengrevics, A.]

Clinical aspects and therapy of cysts of the pancreas. Vest.khir. 83 no.8:69-74 Ag '59. (MIRA 13:1)

1. Iz fakul'tetskoy khirurgicheskoy kliniki (zav. - prof. P.I. Stradyn' [deceased]) Rizhskogo meditsinskogo instituta. Adres avtorov: Riga, ul. Pilsonyu, 13, Respublikanskaya klinicheskaya bol'nitsa, 5-ye otdeleniye.
(PANCREAS dis.)
(CYSTS surg.)

STENGREVITS, O., inzh.

Universla suspension system for NUB-4,8 harrows. Trakt. i sel'khozmash. 31 no. 5:32-33 My '61. (MIRA 14:5)

1. Spetsial'noye konstruktorskoye byuro Severo-Zapada.
(Harrows)

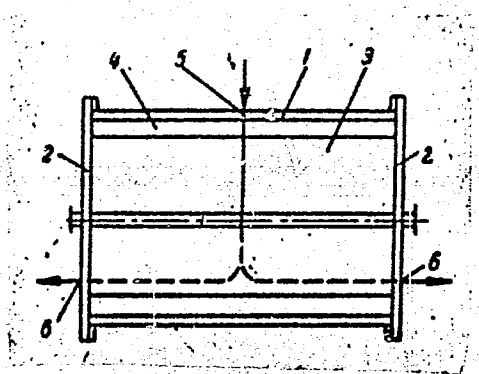


Fig. 1.

1- case; 2- covers; 3- rotor; 4- plate; 5- suction nipple;
6- pressure nipples

Card 2/2 TB

STENICHEV, N., arkhitektor.

State farm club house. Sel'.stroi. 10 no.2:23-24 F '55. (MLRA 8:4)
(Clubhouses)

STEMIK, V. V.

"Arterial Blood Supply of the Varolian Bridge and the Cerebellum During Direct and Indirect Circulation of the Blood. Experimental Morphological Investigation on Rabbits." Cand Med Sci, L'vov State Medical Inst, L'vov, 1953. (RZhBiol, No 5, Mar 55)

SO: Sum. No. 670, 29 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

STENIN, A., sekretar' komsomol'skoy organizatsii.

Meeting the best motion-picture operator of the province. Kinomekhanik no. 10:7 O '53. (MLRA 6:10)

(Moving-picture projection)

MOSKALENKO, S.I.; GABOVICH, M.S.; BACHINSKIY, Yu.V.; TOMILIN, A.V.; MEDVEDEV, P.M.; LOMANOVA, M.M.; GOLOVKOV, P.D.; GAYDUKOV, G.I.; ALEYNIKOV, V.V.; STENIN, N.D.; MIRONOVA, V.V.; BELAVINTSEVA, Ye.S.; TSVETSINSKIY, S.V.; MECHETNYY, P.; KOBZAR', N.K.; ROZHNOVA, Ye.S.; PELETMINSKIY, V.N.; GORDEYCHUK, V.K.; SHMERIGO, V.F.; KISLYUK, N.

Fifty years in the sugar industry. Sakh.prom. 33 no.2:18 F '59. (MIRA 12:3)
(Shtepan, Georgii Viacheslavovich, 1888-)

STENIN, N. I.

KAZAKOVSKIY, Dmitriy Antonovich, prof., doktor tekhn.nauk; AVERSHIN, Stepan Gavrilovich, prof., doktor tekhn.nauk; BELOLIKOV, Antonin Nikolayevich, dotsent, kand.tekhn.nauk; GUSEV, Mikhail Iosifovich, dotsent, kand.tekhn.nauk; ZDANOVICH, Vyacheslav Grigor'yevich, prof., doktor tekhn.nauk; KROTOV, Gavriil Alekseyevich, dotsent, kand.tekhn.nauk; LAVROV, Vladimir Nikolayevich, kand.tekhn. nauk; LEBEDEV, Kirill Mikhaylovich, assistent; PYATLIN, Mikhail Petrovich, dotsent, kand.tekhn.nauk; STENIN, Nikolay Ivanovich, assistent; BUKRINSKIY, V.A., otv.red.; SLAVOROSOV, S.Kh., red.izd-va; ALADOVA, Ye.I., tekhn.red.; KOROVENKOVA, Z.A., tekhn.red.

[Mine surveying] Marksheiderskoe delo. Moskva, Ugletekhizdat, 1959. 688 p. (MIRA 13:11)
(Mine surveying)

STENIN, N.I., inzh.

Methodology for calculating the staff of mine surveying bureas. [Trudy] VNIMI no.45:12-17 '62. (MIRA 16:4)
(Mine surveying)

USHAKOV, I.N., kand.tekhn.nauk; STENIN, N.I., inzh.; RYBNIKOVA, V.N., inzh.

Geometric determination of the structure of the Khaydarken mercury deposit. [Trudy] VNIMI no.45:57-62 '62. (MIRA 16:4)
(Khaydarken region—Mine surveying)

S/169/62/000/001/033/083
D228/D302

AUTHORS: Tslav, L. Z. and Stenin, P. A.

TITLE: The state and development prospects of neutron methods of well investigation in the Orenburg region

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 1, 1962, 38, abstract 1A312 (V sb. Yadern. geofiz. pri poiskakh plezn. iskopayemykh, M., Gostoptekhizdat, 1960, 70-75)

TEXT: The reserves of pools of certain fields in the Orenburg region were calculated on the basis of the data of neutron gamma-logging (NGL). The development of electrometric methods has lowered the effectiveness of application of the NGL method for distinguishing traps. Since electrometric methods do not solve the problem of distinguishing oil-saturated traps, work was undertaken on determining the oil-water boundary in cased and uncased wells by neutron methods. Model experiments and well measurements showed that neutron gamma- and neutron-logging do not allow the position of the oil-water contact (OWC) to be determined, whereas the use of

Card 1/2

induced activity methods was found to be extremely fruitful. Na and Mn are the main indicator elements in cased holes. Measurements are made by a standard НГК-53 (NGK-53) device; the irradiation time is 7 hrs, the measurement time is 14 - 21 hrs, the source's power is 10 curies; the position of the OWC is sufficiently clearly noted. As the model experiments showed, the problem of determining the position of the OWC in uncased wells can be solved by the method of chlorine activation. However, this requires checking against much factual material. It is pointed out that chlorine is sufficiently clearly evolved in an irradiation time of 30 min and a measurement time of 40 - 50 min. The source's neutron-power is from 10 to 20 curies. It is indicated that the method of induced chlorine activity has promise for investigating thin beds of sandstone. The great prospects connected with the use of a neutron generator (with an adequate power of $\sim 10^8$ neutrons/sec) are noted. [Abstractor's note: Complete translation.]

(A) L 11783-66 EWT(m)/EWA(d)/T/EWP(t)/EWP(k)/EWP(z)/EWP(b)/EWA(c) JD/HW

ACC NR: AP6001687 SOURCE CODE: UR/0148/65/000/012/0114/0115

44,55 44,55 44,55 44,55

AUTHOR: Tushinskiy, L. I.; Tushinskaya, K. I.; Stenin, S. I.; Tikhomirova, L. B.

44,55

ORG: Novosibirsk Electrotechnical Institute (Novosibirskiy elektrotekhnicheskiy institut)

57

TITLE: Strengthening of high-manganese steel with combined thermomechanical treatment

B

14

SOURCE: IVUZ. Chernaya metallurgiya, no. 12, 1965, 114-115

TOPIC TAGS: steel, manganese steel, manganese containing steel, austenitic steel, steel thermomechanical treatment, high temperature treatment, low temperature treatment, combined treatment

ABSTRACT: Strengthening of high-manganese steel G13 [0.9—1.4% C, 11—14% Mn] by combined high-temperature thermomechanical treatment (HTTMT) and low-temperature thermomechanical treatment (LTTMT) has been investigated. Forged bars 10 x 10 x 60 mm were annealed at 1050C and rolled in one pass with 45% reduction, cooled to 370C (HTTMT), rolled in one pass with 10% reduction, and water quenched. The HTTMT caused the fragmentation of austenite grains and LTTMT brought about additional fragmentation and slips within grains. After combined heat treatment, the steel had a tensile strength of 129.5 kg/mm^2, a yield strength of 74.5 kg/mm^2, a hardness of 35 HRC, an elongation of 33.5%, and a reduction of area of 30.5% compared to 104 kg/mm^2, 44.7 kg/mm^2, 35 HRC, 53.3%, and 37.5% for the annealed steel and

Card 1/2 UDC: 669.15-194:669.74-15

L 11783-66

ACC NR: AP6001687

115 kg/mm^2, 43 kg/mm^2, 17 HRC, 53.2%, and 36.5% after HTTMT. The additional increase of tensile strength and hardness after LTTMT indicates that plastic deformation at 370C caused the essential change in structure and properties, not only in the surface layers, but in the whole volume of the specimens. Despite the decrease in ductility, the steel can be used under conditions of active wear and impact loads. Orig. art. has: 2 figures and 1 table. [WW]

SUB CODE: 11/ SUBM DATE: 20Jun64/ ORIG REF: 002/ ATD PRESS: 4180

HW

Card 2/2

STENINA, L., inzh.-prepodavatel'; TOBOL'SKIY, V., shturman-prepodavatel'; TORGOVITSKAYA, A., inzh.-prepodavatel'; YELSHANSKIY, A., inzh..-prepodavatel'; BUNTOV, N., prepodavatel'

Lively, picturesquely, graphically. Grazhd.av. 17 no.7:11-12 Jl '60. (MIRA 13:8)

(Aeronautics--Study and teaching)

STENINA, N.I.; AGASYAN, P.K.

Coulometric titration of iridium (IV) with electrogenerated iron (II) ferrocyanide. Zhur. anal. khim. 20 no.3:351-354 '65. (MIRA 18:5)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

MAKAROVA, L.A.; STENINA, T.A., kandidat sel'skokhozyaystvennykh nauk.

Role of perennial forage plants in improving the properties of soil. Trudy Komi fil. AN SSSR no.2:19-26 '54. (MLRA 9:11)

(Forage plants) (Soil physics) (Soil micro-organisms)

STENINA, T.A.

Some data on soil microflora of the Komi A.S.S.R. Trudy Komi fil.AN SSSR no.8:47-56 '59. (MIRA 13:11)
(Komi A.S.S.R.--Soil micro-organisms)